Change Record Page

CCR NO.	DATE	MOD NO.	DATE	SECTION
		29	07/23/92	24C, 26C, 33C, 34C, 36C, 37C, 38C, 40C, 41C, 42C
		32	01/04/93	12C
		42	04/04/94	All
		48	11/17/94	5A
		65	01/09/97	3A
		77	11/14/97	5A
		81	03/27/98	All
		88		3A, 3B, 6A, 1B, 11C, 46C
		99	06/01/00	6A
		103	10/05/00	47C
CCR 1781	01/08/01	107	11/08/01	5A

NAS5-30355
CONTRACT ATTACHMENT C
Deliverable Requirements
July 1988
(Revised October 2000)

1.0 Definition

For purposes of this attachment, the following definitions apply:

1.1 Approval (A) - Documents in this category require receipt by the POES Project within the time specified and written approval prior to contractor implementation. Requirements for resubmission shall be as specified in letter(s) of disapproval. The POES Project shall act on items requiring approval within fourteen days of receipt of the item.

1.2 Review (R) - Documents in this category must be received by the POES Project within the time period specified, and will be subject to evaluation. These documents may be implemented upon issuance unless otherwise noted. However, when an evaluation reveals inadequacies in a document, the contractor shall correct the document as required.

1.3 Information (I) - Documents in this category will be used be the POES Project to determine current program status and progress and for future planning requirements.

1.4 ACA - After contract award.

2.0 Mailing and Distribution of Documentation

No. of Copies	Addressee	Code
1 (Original)	Technical Officer	480
Remaining Copies	POES Library	480

3.0 Documents to be Submitted:

The following documentation shall be provided in accordance with the specified reference:

NAS5-30355
Contract Attachment C Deliverable Requirements July 1988
(Revised June 2000)

Section A—Hardware

Item	Description	Quantity	Schedule
1A	SBUV/2 Flight Model 5	1	41 months after contract award Subject to a previous mod
2A	SBUV/2 Flight Model 6	1	July 6, 1998
3A	SBUV/2 Flight Model 7	1	April 2, 1999
3B	Sensor Module Thermal Blanket	4 sets	One set with each Flight model delivery
4A	Automatic Data Equipment	1 set	At completion of contract
5A	Spare Parts/Components, Subassemblies:		
	3231A Electrometer assy	1	March 30, 2001
	3231B Calibration lamp Power Supply	1	March 30, 2001
	3231C CCR Detector	1	March 30, 2001
	3231F Set, Sensor Module Electronics (Bleeder Strings, Anode Preamps, HVPS, CCM)	1	March 30, 2001
	3331A Calibration Lamp Assembly	1	March 30, 2001
	3331B Spider and Chopper Assy	1	March 30, 2001
	3431B Screened Calibration Lamps	Lot	March 30, 2001
	3531A-D Set of ELM Electronics Boards (A1-11, LVPS, Motherboard	1 each	March 30, 2001

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	363X	Critical spares	lot, per Bill of Materials in CE7-034, less parts used in spare assemblies	March 30, 2001
	3621	CCR Detectors		
	3622	CCR Optics (Mirrors)		
		M3	1	March 30, 2001
		M5	1	March 30, 2001
		M6	1	March 30, 2001
		M7	1	March 30, 2001
		M8	1	March 30, 2001
		EBERT	2	March 30, 2001
		Roof	1	March 30, 2001
	3623	CCR Filters	2	March 30, 2001
	3626	CCR Motors/Fixtures		
		Motor, Diffuser	1	March 30, 2001
		Gearhead, Diffuser	1	March 30, 2001
6A	SBUV/2 Flight Model 8		1	January 17, 2001

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Section B--Reviews and Meetings

Item	Description	Quantity	Schedule
1B	Pre-shipment Review at Contractor's Facility	4	Prior to shipment of each Flight model, date TBD
2B	Program Management Reviews at Contractor's Facility	As required	Quarterly
3B	Conceptual Design Review for Software Development & STE Redesign at Contractor's Facility	1	May 1988
3Bi	Deleted		
4B	Deleted		

Section C-Technical Documentation

Item	Description	Quantity	Schedule
lC	Program Plan (A)	3	As revised

Item	Description	Quantity	Schedule
2C	Work Breakdown Structure Dictionary (A)	3	As revised
3C	Quality Program Plan (A)	3	As revised
4C	Reliability Program Plan (A)	3	As revised
5C	Safety and Health Plan (A)	3	As revised
6C	Configuration Management Plan (A)	3	As revised
7C	Cleanliness and Contamination Control Plan (A)	3	As revised
8C	Test and Calibration Plan (A)	3	As revised
9C	Software Development Management Plan (A)		
	- Preliminary	3	As revised
	- Final	3	As revised
l0C	Deleted (Combined with 51C)		
llC	Detailed Schedules (I)	1	Updated monthly or as required
	- Preliminary		30 days after contract Mod 88
12C	Status Reports (telefax)(I)	1	As necessary
13C	Performance Assurance Status Report (Quality Program & Reliability Program)(I)		Monthly
14C	Malfunction Reports		
	a. Initial Notification (I)		Verbally within 24 hours of occurrence
	b. Written Notification (MR	1	Within 3 working days from

	Form) (I)		occurrence
	c. Final (Closeout)(A)	1	Following completion of all required actions
15C	Response to GIDEP Alerts		
	a. Listing of Alerts Received and Reviewed (I)		Monthly, as part of the Quality Program Status Report
Item	Description	Quantity	Schedule
	b. Summary of Alerts Applicable to SBUV Program with Corrective Action Proposed (I)		Within 10 working days, as part of the monthly status report
16C	GIDEP Alerts (I)	3	As generated
17C	MRB Dispositions & MDR's (A)	1	As requested, sent to Code 300 in-plant representative
18C	Approved Parts List (I)	3	As revised
l9C	Materials and Processes List (I)	3	As revised
20C	Deleted (per Parts Control Board (PCB) plan 61C, 62C, 63C)		
21C	Deleted (per Parts Control Board (PCB) plan 61C, 62C, 63C)		
22C	Listing of Age Sensitive Parts, Materials, and Components (I)	3	Whenever a revision occurs
23C	Configured Article List (List of Equipment Content By Assembly and Module Serial Numbers. (I)	2 each	With each instrument (No lot and date code in Cal Book)
24C	Drawing Tree (I)	1	As revised
25C	Project Document List (I)	2	As generated or revised
26C	Drawings (I)		
	- Top Assembly	1	As revised
	- Lower Level	1	As revised

	- Interface Control Drawings (reproducible)	1	As revised
27C	Engineering Change Notices (I)	1	As generated
28C	Specifications (I)	2	As generated or revised
29C	Assembly Procedures (I)	2	As generated or revised

Item	Description	Quantity	Schedule
30C	Configuration Changes		
	- Class I (A)	2	As generated
	- Class II (I)	2	As generated
3lC	Deleted (Combined with 51C)		
32C	Drawing Books (I)	6 3 to T.O.	As revised
33C	Indentured Drawing List (I)	1	As revised
34C	Instrument Handling Procedure (A)	1	As revised
35C	Component and Subassembly Test Reports for Subcontracted Items (I)	1	As available
36C	Engineering Test Reports (I)	1	As generated or revised
37C	Engineering Analysis Report (I)	1	As generated or revised
38C	BASD Generated Internal Technical Memoranda (I)	1	As generated
39C	Instrument Functional Logic Diagrams (I)	3	As generated
40C	Detailed Test and Calibration Procedures	1	As updated or revised
	- Acceptance Level Procedures (A)		
	- Lower Level Procedures (I)		

Item	Description	Quantity	Schedule
41C	Bench Test Procedure (A)	1	As revised
42C	GSE Test Procedures (I)	1	As revised
43C	Software Development/STE Redesign Conceptual Design Review Data Package (I)	10	2 weeks prior to review
44C	Software Development/STE Redesign Critical Design Review Data Package (I)	10	2 weeks prior to review
45C	Preship Review Data Package (I)	15	2 weeks prior to review
46C	Specification Compliance Data Books (I)		
	- For Flight Model 5	15	Updates after recalibration 6 months after receipt of GFE calibration data.
	- For Flight Model 6	15	"
	- For Flight Model 7	15	"
	- For Flight Model 8	15	"
47C	Digital Data as described in Sections 5.2.2 and 6.5.2 of the Instrument Specification, GSFC S-480-31(I)	1 each	As prescribed by the technical officer
48C	STE Software Functional Description Document (I)	3	As generated or revised
49C	SBUV/2 Technical Description Document (I)	15	As revised
50C	STE/Microvax Instruction Manuals (I)	3	As generated or revised
51C	Monthly Progress Report (I)	3	Monthly
	Cumulative Expenditure Curve, Man-hour Allocation and Cost Chart (I)		

	Configuration Management Status Report (I)			
52C	The following items (a through c) shall be submitted (A)	5		Updates, as generated
	a. Procedure for control of unscheduled activities during integration and verification testing		P/1.3.1	
	b. Contractor's derating policy		P/1.9 & 1.9.1	

Item	Description	Quantity		Schedule
	c. Software Assurance Program Plan		P/10.1	
53C	Previously designed, fabricated, or flown hardware data	6	P/1.4	At time of GSFC Flight Assurance CDR
	a. Update (A)			
54C	POES Flight Assurance Review Data (I)	20	P/2.2	2 weeks before review meeting Package
55C	Verification Plan		P/3.2.1	
	a. Initial (A)	5		With proposal
	b. Baseline (A)	5		With contract
	c. Update (A)	5		At time of POES Flight Assurance CDR
56C	Verification Specification		P/3.2.2	
	a. Baseline (A)	5		With contract
	b. Update (A)	5		At time of POES Flight Assurance CDR
57C	Verification Procedure (R)	5	P/3.2.3	30 days before the particular test activity for subsystems and

				instrument levels
58C	Verification Reports (I)	5	P/3.2.4	30 days after completion of activity
59C	Operations Hazard Analyses (R)	5	P/4.3.2	30 days before an activity or use of a facility
60C	Safety Data Package (A)	5	P/4.6	At time of POES Flight Assurance CDR
61C	Deleted (Combined with 23C)			
62C	Data on nonconventional Application of Materials (A)	5	P/6.2.6	30 days before use of materials

Item	Description	Quantity		Schedule
63C	Materials List (in-organic and polymeric) lubrication list, processes list		P/6.4.c, d, e, f	
	a. Final (A)	5		30 days before POES Flight Assurance CDR
	b. Updates (A)	5		As changes are made; between POES Flight Assurance CDR and delivery
64C	Failure Mode, Effects and Criticality Analyses and Critical Parts List		P/7.3.1	
	a. Final (R)	5		30 days before POES Flight Assurance CDR
	b. Updates (R)	5		With Class 1 changes
65C	Trend Analyses		P/7.3.4	
	a. List of parameters to be monitored (I)	5		At POES Flight Assurance CDR
	b. Trend Analysis (I)	5		As generated
66C	Limited-Life List		P/7.4	

	a. Final (R)		5	30 days before POES Flight Assurance CDR
	b. Updates (R)		5	As changes are made; between POES Flight Assurance CDR and delivery
67C	Standard Repair Procedures (I)		5 P/ 8.13.1.3.c.1	As generated
68C	Procedures for Product Handling			
	a. Preliminary (I)		5 P/8.22	30 days before POES Flight Assurance CDR
	b. Final (A)		5	30 days before use
69C	Deleted a. (Combined with 23C)			
Item	Description	Quantity		Schedule
	b. (Combined with 20C) c. (Combined with 65C) d. (Combined with 68C) e. (Combined with 46C) f. (Combined with 60C) g. (Combined with 68C) h. (Combined with 68C) i. (Combined with 46C)			
70C	Contamination Control Plan:		P/9.2	
	a. Update (A)		5	At time of POES Flight Assurance CDR
71C	Parts Control Plan (A)		5 P/5.1	Updates as generated
72C	Parts Control Board Meeting Minutes (A)		1 P/5.2.1.1	As generated
73C	Program Approved Parts List (PAPL) (I)		5 P/5.3.1	a. 90 days ACA b. Update 30 days before POES Flight Assurance CDR c. 30 days after any change

to list

P/=PAR GSFC Specifications GSFC-S-480-32

Section D--Administrative Documentation

Item	Description	Reference	Schedule
lD	Material Inspection and Receiving Report (DD Form 250)	Article E-2	At the time of each applicable delivery
2D	Reports of Reportable Items and Disclosure of Inventions, Interim Reports, Final Reports, etc.	Article G-3	As prescribed in NFS 18-52.227-70
3D	Updated WBS Diagram and Supporting Summary Task Description	Article H-2	As necessary
4D	Contractor Task Report (GSFC Form 18-42)	Article C-4	After issuance of a task assignment; due
Item	Description	Reference	Schedule
			concurrently with next applicable 533 Monthly Report
5D	Certificate of Conformance	Article E-12	As prescribed in FAR 52.246-15
6D	Financial Reporting of Government-Owned/Contractor-Held Property	Article I-12	Annually, no later than July 31 each year and at contract completion
7D	Reporting of Centrally Reportable Equipment (DD Form 1419)	Article H-9	When applicable, 30 days in advance of intent to acquire or fabricate an item of "Centrally Reportable Equipment
8D	Financial Management Reports (NASA Forms 533M and 533 Q)	Article H-10 and Article I-8	Initial report due 10 calendar days after authorization to proceed has been

			granted; monthly reports 10 working days following close of the contractor monthly accounting period; quarterly reports due 15th day of the month preceding the quarter being reported
9D	Subcontracting Reports	Article H-11	Semiannually; April 25 and October 25 each calendar year
10D	Reports on NASA Subcontracts (NASA Form 667)	Article I-7	Due as soon as possible after execution of a subcontract; negative reports, if applicable, due annually by October 31 of each year
llD	Engineering Change Proposals	Article I-11	Upon request